

Message Text

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PAGE 01 STATE 278976

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ORIGIN OES-05

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TO AMEMBASSY MOSCOW PRIORITY

UNCLAS STATE 278976

E.O. 11652: N/A

TAGS: TECH, US, UR

SUBJECT: MICROBIOLOGY: FOOD AND FEED PROTEIN - SINGLE
CELL PROTEIN CONFERENCE

REF: A) WANG AUGUST 20 LETTER TO GRIGORIAN

B) WANG JULY 14 LETTER TO GRIGORIAN

1. FYI POUCHED REGISTRY NUMBER 2940861 COPIES OF (A)
WANG NOVEMBER 3 LETTER TO GRIGORIAN AND (B) WANG NOVEMBER 3
MEMO TO GRIGORIAN AND GRADOVA REGARDING DECEMBER 14-23
VISIT OF SOVDEL FOR SINGLE CELL PROTEIN CONFERENCE.
(ORIGINAL RELEASED OPEN MAIL APPROXIMATELY NOVEMBER 17.)
LOEBNER CARRYING COPIES OF BOTH COMMUNICATIONS.

2. IN DISCUSSIONS BETWEEN WANG AND GRADOVA AT SEPTEMBER
1975 MEETING IN MOSCOW OF JOINT WORKING GROUP, AGREEMENT
REACHED ON DATE AND DETAILS OF CONFERENCE. THERE HAVE
BEEN NO FURTHER COMMUNICATIONS SINCE THAT TIME BETWEEN
WANG AND GRIGORIAN OR GRADOVA. END FYI.

3. WANG NOVEMBER 3 LETTER TO GRIGORIAN FORWARDS TENTATIVE
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PAGE 02 STATE 278976

PROGRAM FOR CONFERENCE. ADVISES THAT CO-CHAIRPERSONS

HAVE BEEN ASSIGNED FOR EACH OF CONFERENCE SESSIONS TO
ASSURE ADHERENCE TO TIME SCHEDULES AND FOR PREPARATION OF

REPORT AT CONCLUSION OF CONFERENCE. SUGGESTS THAT, AS
35 MINUTES ALLOCATED FOR EACH PAPER, IMPERATIVE THAT
PAPERS NOT EXCEED 8 PAGES (DOUBLE-SPACED) PLUS 8 GRAPHS
OR TABLES. WISHES SOVIET REACTION TO TENTATIVE PROGRAM
AND ASKS FOR LIST OF SOVIET PAPERS TO BE PRESENTED,
ABSTRACTS OF WHICH WERE TO BE FORWARDED BY GRADOVA BY
NOVEMBER 15. TENTATIVE ITINERARY FOR VISIT (TUESDAY
DEPARTURE FROM NEW YORK VIA AEROFLOT) INCORPORATED IN
WANG NOVEMBER 3 MEMORANDUM TO GRIGORIAN AND GRADOVA.
SUGGESTED PROGRAM OF CONFERENCE AND PROPOSED ITINERARY
FOLLOW:

PROGRAM FOR JOINT CONFERENCE ON SINGLE-CELL PROTEIN,
DECEMBER 16-18, TO BE HELD AT MIT, CAMBRIDGE, MASS.:
(PAPERS AND AUTHORS LISTED NUMERICALLY UNDER EACH
SESSION)

DEC. 16 - INTRODUCTORY COMMENTS (10 MINUTES EACH) - WANG
AND GRIGORIAN

MORNING SESSION: SELECTION OF ORGANISMS AND SUBSTRATES -
ALCOHOLS: CO-CHAIRPERSONS: COONEY AND GRADOVA.

1. SELECTION OF MICROBIAL STRAINS FOR SCP PRODUCTION -
N. B. GRADOVA AND Z. H. PABYSHEVA (ALL-UNION RESEARCH
INSTITUTE OF PROTEIN BIOSYNTHESIS)

2. SINGLE-CELL PROTEIN FROM METHANOL - COONEY (MIT)

3. REGULARITIES OF MICROORGANISMS GROWN ON METHANOL AND
ETHANOL - N. P. KALUNIANTS AND P. N. FISCHER (ALL-UNION
RESEARCH INSTITUTE OF PROTEIN BIOSYNTHESIS)

4. SINGLE-CELL PROTEIN FROM ETHANOL - A. I. LASKIN
(EXXON RESEARCH AND ENG. CO.)

5. SCP PROTEIN ON PARTIAL OXIDATION PRODUCTS OF METHANE -
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PAGE 03 STATE 278976

H. LIM (PURDUE U.)

AFTERNOON SESSION: SELECTION OF ORGANISMS AND
SUBSTRATES: CELLULOSE AND HYDROCARBONS: CO-CHAIRPERSONS:
HUMPHREY AND S. V. CHEPIGO.

1. REVIEW OF SINGLE-CELL PROTEIN FROM CELLULOSE - C. E.
DUNLOP (U. OF MISSOURI)

2. USE OF THERMOPHILIC FUNGI AS AN SCP SOURCE USING
CELLULOSIC MATERIAL AS SUBSTRATE - HUMPHREY (U. OF PA.)

3. COMBINED CHEMICAL PROCESSING OF AGRICULTURAL WASTES
BY THE METHOD OF HYDROLYSIS - S. V. CEPIGO, E. R. LEIKIN
AND Z. K. KLIMOVA (ALL-UNION RES. INST. OF PROTEIN
BIOSYNTHESIS)

4. PRODUCTION AND EVALUATION OF SINGLE-CELL PROTEIN FROM
MESQUITE - H. H. YANG, W. WANG, S. P. YANG AND D. W.
THAYER (TEXAS TECH U.)

DEC. 17 - MORNING SESSION: CONTINUATION OF DECEMBER 16
AFTERNOON SESSION:

5. MECHANISMS OF HYDROCARBON ABSORPTION BY CELLS OF
HYDROCARBON - ASSIMILATING YEASTS - A. D. GOLOBOV,
E. R. DAVIDOV AND V. V. RACHINSKY (ALL-UNION RES. INST.
OF BIOSYNTHESIS AND THE TIMIRIAZEV AGRICULTURAL ACADEMY)

6. UPTAKE OF INSOLUBLE HYDROCARBONS BY MICROORGANISMS -
H. BLANCH (U. OF DELAWARE)

7. SOME PROBLEMS OF KINETICS OF INDIVIDUAL N-ALKANE
OXIDATION BY YEASTS - V. A. GARBALINSKY AND G. I.
VOROBYEVA (ALL-UNION RES. INST. OF PROTEIN BIOSYNTHESIS).

SESSION ON EQUIPMENT AND CONTROL IN SCP PRODUCTION:
CO-CHAIRPERSONS: L. L. GASNER AND V. A. GARBALINSKY:

1. IMPROVEMENTS IN FERMENTOR DESIGN FOR SCP PRODUCTION:
THE AIRLIFT FERMENTOR - R. T. HATCH (U. OF MARYLAND);
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PAGE 04 STATE 278976

WANG (MIT)

2. ASPECTS OF PROCESS CONTROL IN SINGLE-CELL PRODUCTION -
L. NYIRI, G. M. TOTH, D. V. PARMENTER AND C. S.
KRASHNASWANI (FERMENTATION DESIGN).

AFTERNOON SESSION: INDUSTRIAL ASPECTS OF SCP PRODUCTION:
CO-CHAIRPERSONS: EDMUND FIELD AND V. K. YEROSHIN:

1. COMPARATIVE EVALUATION OF INDUSTRIAL MICROBIAL
STRAINS AND FEEDSTOCKS FOR SCP PRODUCTION - V. V. LALOV
(ALL-UNION INST. OF PROTEIN BIOSYNTHESIS)

2- INDUSTRIAL ASPECTS OF SINGLE-CELL PROTEIN PRODUCTION
FROM N-PARAFFIN - R. S. SILVER AND P. G. COOPER (GULF

RESEARCH)

3. PHYSIOLOGO-ECONOMIC APPROACH TO THE EVALUATION OF
VARIOUS FEEDSTOCKS FOR SCP PRODUCTION - V. K. YEROSHIN
(INSTITUTE OF BIOCHEMISTRY AND PHYSIOLOGY OF

MICROORGANISMS)

4. PRODUCTION OF SINGLE-CELL PROTEIN FROM WHEY LACTOSE -
. BERNSTEIN (AMBER LABS, MILBREW, INC.).

DEC. 18 - MORNING SESSION: RECOVERY PROCESSES FOR SINGLE-
CELL PRODUCTION AND REDUCTION OF RIBONUCLEIC ACIDS:
CO-CHAIRPERSONS: WANG AND GRIGORIAN:

1. ENHANCEMENT OF RECOVERY OF SINGLE-CELL PROTEIN
THROUGH FLOCCULATION - L. L. GASNER

2. PHYSICO - CHEMICAL AND HYDRODYNAMIC ASPECTS OF
PROCESSES OF CONCENTRATING MICROBIAL SUSPENSIONS - S. V.
KAN AND J. J. SKOP (ALL-UNION RES. INST. OF PROTEIN
BIOSYNTHESIS)

3. USE OF ULTRAFILTRATION MEMBRANES FOR LARGE-SCALE
PROTEIN RECOVERY - R. S. TIMMINS AND B. S. HORTON
(ABCOR, INC.)
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PAGE 05 STATE 278976

4. SOME ASPECTS OF THE PROBLEM OF PROTEIN RECOVERY FROM
MICROBIAL BIOMASS - A. N. GRIGORIAN AND YU. V. ROBITIN

5. REDUCTION OF RIBONUCLEIC ACID (RNA) IN SCP - A. V.
SINSKEY (MIT).

AFTERNOON SESSION: SCP FOR HUMAN CONSUMPTION:
NUTRITIONAL VALUE AND SAFETY: FUNCTIONALITY - CO-
CHAIRPERSONS: V. R. YOUNG AND A. A. POKROVSKY:

1. NUTRITIONAL VALUE AND SAFETY OF SINGLE-CELL PROTEIN IN
MAN - V. R. YOUNG, J. C. DILLON AND N. S. SCRIMSHAW (MIT)

2. NUTRITIONAL VALUE AND SAFETY OF SCP - A. A. POKROVSKY
(INSTITUTE OF NUTRITION)

3. STATUS OF THE TETRAHYMENA ASSAY FOR THE BIOLOGICAL
VALUE OF SINGLE-CELL PROTEIN AND ESSENTIAL AMINO ACIDS -
S. H. HUTNER (HASAKINS, LAB, PACE U.); H. BAKER (N.J.
COLLEGE OF MEDICINE AND DENTISTRY)

4. THE FUNCTIONAL PROPERTIES OF SINGLE-CELL PROTEIN -
C. K. RHA (MIT)

5. CHEMICAL MODIFICATION TO IMPROVE FUNCTIONAL PROPERTIES
OF NOVEL PROTEINS - J. E. KINSELLA (CORNELL U.).

ITINERARY

DEC. 14 - ARR. NEW YORK CITY
TRAVEL TO BOSTON

DEC. 15 - FREE DAY (AGREED TO IN SEPTEMBER MEETING IN
MOSCOW)

DEC. 16, 17, 18 - CONFERENCE AT MIT ON SINGLE-CELL
PROTEIN

DEC. 19 - BOSTON, MASS. - VISITS TO ABCOR, INC. AND
GAULIN CORP.
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PAGE 06 STATE 278976

EVENING - WORK ON REPORT FROM CONFERENCE

DEC. 20 - MORNING - COMPLETION OF CONFERENCE REPORT
AND SIGNING OF PROTOCOL

DEC. 21 - FREE DAY
EVENING - LEAVE FOR PHILADELPHIA

DEC. 22 - PHILADELPHIA - VISITS TO U. OF PENNSYLVANIA
AND GENERAL ELECTRIC COMPANY

DEC. 23 - LV. FOR NEW YORK CITY AND MOSCOW.

4. APPRECIATE EMBASSY INFORMING SOVIETS OF WANG LETTER
AND ADVISE ASAP OF NAMES OF SOVDEL AND TIME OF ARRIVAL
AND PREFERRED DATE OF DEPARTURE (DECEMBER 21 FROM NEW
YORK OR DECEMBER 23 FROM

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